



SCIENCE

FOR FAMILIES

YOU ARE your child's first teacher. Learn how to support the goals of Oklahoma's academic standards and why they are important for your child. Please be in regular communication with your child's teachers and ask how you can support science learning at home. When schools and families work together as partners, it helps your child achieve academic excellence!

KINDERGARTEN

What to expect:

Kindergarten is when children begin to grow academically, socially and emotionally in a structured learning environment. Families play an important role in that growth as they model positive learning behaviors and become involved in school activities.

Science can encourage and expand this natural curiosity. Ask your kindergartner questions like "What happens if you push or pull an object harder?", "Where do animals live, and why do they live there?" and "What is the weather like today, and how is it different than yesterday?"

This information is a snapshot of learning in kindergarten science. For a complete set of science academic standards, click [here](#) or visit sde.ok.gov/oklahoma-academic-standards.

By the end of the school year, your child will:

- Develop an understanding of patterns and changes in local weather and the purpose of weather forecasting to prepare for, and respond to, severe weather.
- Understand how different strengths or directions of pushes and pulls change the motion of an object.
- Develop an understanding of what plants and animals (including humans) need to survive and the relationship between their needs and where they live.

What to do at home:

- Work with your child to draw what the weather looks and feels like several days in a row.
- Kick a soccer ball and talk about how a harder kick makes the ball go farther.
- Walk around your neighborhood or a local park and name the animals and plants you see, then talk about why the neighborhood or park is a good place for them to live.



SCIENCE

FOR FAMILIES

Fostering Curiosity

Children are naturally curious and motivated to learn about things that interest them. Since curiosity contributes to success in the classroom, it is important to encourage it at home. Play is a wonderful way to nurture curiosity in young children, so be sure to allow plenty of playtime. Encourage your child to ask questions, discover answers and explore the world.

Cultivate your child's curiosity with guiding questions like these:

- What do you wonder about?
- What patterns do you see when you look outside?
- What book do you want to read today?

Your child will have plenty of questions. It's okay if you don't have the answer every time. The best response is always, "Let's find out together."

Fostering Communication

Increase vocabulary, thinking skills and curiosity by using new words and having conversations that include questions that make your child think. Communicating with others gives children a chance to see and understand that there can be more than one idea on a given subject. Accepting these different ideas helps children learn how to get along with others. This acceptance fosters positive relationships with peers and strong self-image.

Cultivate your child's communication skills with questions like these:

- What is your favorite food and why?
- What rule have you followed today?
- How did you help someone today?

Fostering Comprehension

Kindergartners are developing beginning reading skills and an enjoyment of reading. Make time to explore books, magazines and other types of print with them and encourage conversations as you read together. Use the following questions to help your child better understand what he or she is reading.

BEFORE READING

- What do you think this book is about?
- What does this book remind you of?

DURING READING

- What do you think will happen next?
- Where and when does the story take place?

AFTER READING

- What happened in the beginning, middle and end?
- What was your favorite part of the book and why?

Join the conversation!
#oklaed